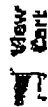


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## ACTIVE STANDARD: D1922-03a Standard Test Method for Propagation Tear Resistance of Plastic Film and Thin Sheeting by Pendulum Method

Developed by Subcommittee: D20.19  
See Related Work by this Subcommittee  
Adoptions:  
Book of Standards Volume: 08.01

### 1. Scope

- 1.1 This test method covers the determination of the average force to propagate tearing through a specified length of plastic film or nonrigid sheeting after the tear has been started, using an Elmendorf-type tearing tester. Two specimens are cited, a rectangular type, and one with a constant radius testing length. The latter shall be the preferred or referee specimen.
- 1.2 Because of (1) difficulties in selecting uniformly identical specimens, (2) the varying degree of orientation in some plastic films, and (3) the difficulty found in testing highly extensible or highly oriented materials, or both, the reproducibility of the test results may be variable and, in some cases, not good or misleading. Provisions are made in the test method to compensate for oblique directional tearing which may be found with some materials.
- 1.3 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.
- 1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use. Specific precautionary statements are given in 13.1.*

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**ACTIVE STANDARD: D228-05b Standard Test Methods for Sampling, Testing, and Analysis of Asphalt Roll Roofing, Cap Sheets, and Shingles Used in Roofing and Waterproofing**

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Developed by Subcommittee: D08.02  
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Adoption: Building Codes;  
Book of Standards Volume: 04.04

**What is an Active standard?**

### 1. Scope

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1.1 These test methods cover procedures for sampling, examination, physical testing, and analyses of asphalt-containing materials used in roofing and waterproofing. These materials include but are not limited to roll roofing, cap sheets, and shingles. Any of these materials are allowed to be partially or fully coated, surfaced, or laminated, or a combination thereof.

**What is a Redline?**

1.2 The test methods and procedures in this standard appear in the following order:

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1.3 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

**What is an Historical Standard?**

This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

**Help Desk**

### 2. Referenced Documents

D95 Test Method for Water in Petroleum Products and Bituminous Materials by Distillation  
D146 Test Methods for Sampling and Testing Bitumen-Saturated Felts and Woven Fabrics for Roofing and Waterproofing  
D225 Specification for Asphalt Shingles (Organic Felt) Surfaced with Mineral Granules  
D1079 Terminology Relating to Roofing, Waterproofing, and Bituminous Materials

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D1922 Test Method for Propagation of Tear Resistance of Plastic Film and Thin Sheeting by Pendulum Method

D2178 Specification for Asphalt Glass Felt Used in Roofing and Waterproofing

D2626 Specification for Asphalt-Saturated and Coated Organic Felt Base Sheet Used in Roofing

D3462 Specification for Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules

D3909 Specification for Asphalt Roll Roofing (Glass Felt) Surfaced with Mineral Granules

D4601 Specification for Asphalt-Coated Glass Fiber Base Sheet Used in Roofing

D4897 Specification for Asphalt-Coated Glass-Fiber Vending Base Sheet Used in Roofing

D4932 Test Method for Fastener Rupture and Tear Resistance of Roofing and Waterproofing Sheets, Roll Roofing, and Shingles

D6380 Specification for Asphalt Roll Roofing (Organic Felt)

E1667 Specification for Driven Fasteners: Nails, Spikes, and Staples

## Index Terms

analysis; asphalt; cap sheets; composition; physical testing; roll roofing; sampling; shingles

### Citing ASTM Standards

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